

DRY MIX MORTAR

By: Tarza Karim

DEFINITION

- is a pre-mixed, factory-prepared blend of dry materials that only requires the addition of water on-site to form a ready-to-use mortar. It is widely used in construction for various applications such as bricks, blocks, and stones.

RAW MATERIALS OF DRY MIX MORTAR (CONSISTENCY)

- Cement
- Sand or aggregates
- Lime
- Additives/ Polymers
- Mineral Fillers

USAGES

- Bricklaying
- Plastering for interior and exterior wall coatings
- Tiling Adhesive
- Repair and Renovation
- Waterproofing mortars
- Insulation systems



CEMENT- BASED TILE ADHESIVE

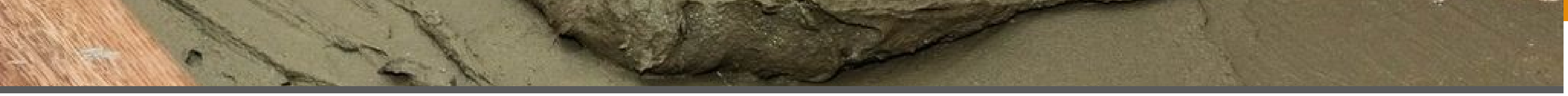


DEFINITION &TYPES

- It’s a type of mortar used to fix tiles onto surfaces such as walls and floors. It’s primarily consists of cement, sand, and special additives to improve its bonding properties, flexibility, and water retention.

There are three types:

- Standard (C1)
- Improved (C2)
- Fast-setting or flexible



APPLICATION & ADVANTAGES

- Suitable for ceramic, porcelain, and natural stone tiles.
- Ideal for indoor and outdoor use, depending on formulation.
- strong and durable bond
- Resistant to moisture
- Easy to apply and cost effective.



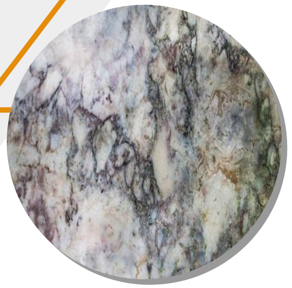
TILE & TYPES

It’s a thin, flat slab or block, typically square or rectangular, made from various materials. It’s used for covering floors, walls, countertops, roofs and other surfaces.

The most recognized and widely used tile types number around 8 to 10, depending the classification method (material, finish, or use).



Porcelain



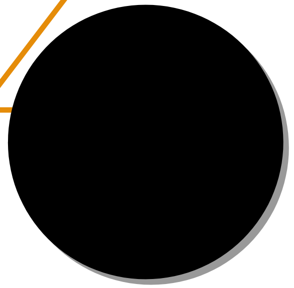
Natural stone



Cement tile



ceramic



Glass mosaic



terracotta



SOURCES

- Mapei Group. “**Dry Mix Mortar Technology: Fast and Efficient Construction**.” https://www.mapei.com
- BASF Construction Chemicals. “**Dry Mortars – What, Why and How?**” https://www.master-builders-solutions.com
- ResearchGate. “**A Review on Dry Mix Mortars and Their Benefits in Construction**.” https://www.researchgate.net/publication/338976196
- **BASF Construction Chemicals** – Overview on cementitious tile adhesives: https://www.master-builders-solutions.com
- **European Norm EN 12004** – Standard classifying tile adhesives: https://standards.iteh.ai/catalog/standards/cen/bb3d6c9e-57a3-4ee2-9767-3e5694c3177c/en-